

Fig. 6a continued

7/12
kappa light chain

ATOM	1214	NE2	GLN	L	160	-28.351	18.941	76.956	1.00	51.87	N
ATOM	1215	N	GLU	L	161	-24.947	22.884	79.252	1.00	32.26	N
ATOM	1216	CA	GLU	L	161	-24.315	24.116	78.812	1.00	30.57	C
ATOM	1217	C	GLU	L	161	-24.096	24.228	77.315	1.00	29.51	C
ATOM	1218	O	GLU	L	161	-24.030	23.218	76.609	1.00	31.47	O
ATOM	1219	CB	GLU	L	161	-22.989	24.254	79.465	1.00	31.63	C
ATOM	1220	CG	GLU	L	161	-23.068	25.232	80.584	1.00	39.52	C
ATOM	1221	CD	GLU	L	161	-22.438	24.715	81.857	1.00	45.11	C
ATOM	1222	OE1	GLU	L	161	-21.196	24.764	81.949	1.00	43.57	O
ATOM	1223	OE2	GLU	L	161	-23.211	24.287	82.736	1.00	48.88	O
ATOM	1224	N	SER	L	162	-23.964	25.449	76.818	1.00	27.95	N
ATOM	1225	CA	SER	L	162	-23.733	25.712	75.415	1.00	24.52	C
ATOM	1226	C	SER	L	162	-22.917	27.003	75.355	1.00	23.12	C
ATOM	1227	O	SER	L	162	-23.213	27.968	76.057	1.00	21.32	O
ATOM	1228	CB	SER	L	162	-25.089	25.831	74.776	1.00	24.91	C
ATOM	1229	OG	SER	L	162	-24.944	26.008	73.380	1.00	28.23	O
ATOM	1332	N	SER	L	176	-24.700	29.533	78.016	1.00	20.73	N
ATOM	1333	CA	SER	L	176	-25.984	29.359	78.650	1.00	20.18	C
ATOM	1334	C	SER	L	176	-25.967	28.050	79.391	1.00	19.90	C
ATOM	1335	O	SER	L	176	-25.400	27.058	78.938	1.00	18.83	O
ATOM	1336	CB	SER	L	176	-27.081	29.343	77.602	1.00	22.81	C
ATOM	1337	OG	SER	L	176	-26.755	28.427	76.557	1.00	27.50	O
ATOM	1338	N	SER	L	177	-26.543	28.045	80.570	1.00	21.10	N
ATOM	1339	CA	SER	L	177	-26.716	26.843	81.325	1.00	22.83	C
ATOM	1340	C	SER	L	177	-28.233	26.701	81.427	1.00	24.50	C
ATOM	1341	O	SER	L	177	-28.927	27.679	81.752	1.00	26.47	O
ATOM	1342	CB	SER	L	177	-26.100	27.030	82.675	1.00	20.36	C
ATOM	1343	OG	SER	L	177	-25.923	25.738	83.209	1.00	25.00	O
ATOM	1344	N	THR	L	178	-28.783	25.535	81.113	1.00	26.21	N
ATOM	1345	CA	THR	L	178	-30.193	25.289	81.284	1.00	25.67	C
ATOM	1346	C	THR	L	178	-30.333	24.182	82.316	1.00	26.52	C
ATOM	1347	O	THR	L	178	-29.692	23.127	82.251	1.00	25.41	O
ATOM	1348	CB	THR	L	178	-30.797	24.854	79.993	1.00	24.43	C
ATOM	1349	OG1	THR	L	178	-30.504	25.890	79.065	1.00	27.73	O
ATOM	1350	CG2	THR	L	178	-32.288	24.606	80.101	1.00	23.92	C
ATOM	1359	N	THR	L	180	-33.064	21.776	83.928	1.00	33.72	N
ATOM	1360	CA	THR	L	180	-34.412	21.334	83.617	1.00	36.96	C
ATOM	1361	C	THR	L	180	-34.895	20.441	84.742	1.00	39.75	C
ATOM	1362	O	THR	L	180	-34.162	19.554	85.220	1.00	40.12	O
ATOM	1363	CB	THR	L	180	-34.439	20.578	82.248	1.00	37.34	C
ATOM	1364	OG1	THR	L	180	-34.262	21.580	81.236	1.00	38.56	O
ATOM	1365	CG2	THR	L	180	-35.746	19.829	81.975	1.00	36.31	C
ATOM	1366	N	LEU	L	181	-36.102	20.772	85.213	1.00	41.45	N
ATOM	1367	CA	LEU	L	181	-36.790	19.955	86.189	1.00	41.68	C
ATOM	1368	C	LEU	L	181	-38.283	19.907	85.844	1.00	41.64	C
ATOM	1369	O	LEU	L	181	-38.823	20.667	85.022	1.00	39.32	O
ATOM	1370	CB	LEU	L	181	-36.472	20.527	87.616	1.00	41.26	C
ATOM	1371	CG	LEU	L	181	-36.887	21.835	88.321	1.00	44.99	C
ATOM	1372	CD1	LEU	L	181	-35.940	21.997	89.487	1.00	42.76	C
ATOM	1373	CD2	LEU	L	181	-36.694	23.093	87.505	1.00	45.40	C

Fig. 6b continued

				kappa heavy chain					
ATOM									
ATOM	2940	N	PHE H 175	-27.214	30.210	70.335	1.00	23.94	N
ATOM	2941	CA	PHE H 175	-26.383	29.122	70.813	1.00	23.42	C
ATOM	2942	C	PHE H 175	-26.478	27.831	69.986	1.00	23.74	C
ATOM	2943	O	PHE H 175	-27.538	27.522	69.409	1.00	23.81	O
ATOM	2944	CB	PHE H 175	-26.758	28.815	72.248	1.00	22.94	C
ATOM	2945	CG	PHE H 175	-26.259	29.899	73.148	1.00	20.21	C
ATOM	2946	CD1	PHE H 175	-24.971	29.801	73.645	1.00	19.49	C
ATOM	2947	CD2	PHE H 175	-27.079	30.977	73.458	1.00	20.84	C
ATOM	2948	CE1	PHE H 175	-24.497	30.807	74.468	1.00	20.36	C
ATOM	2949	CE2	PHE H 175	-26.595	31.980	74.294	1.00	22.58	C
ATOM	2950	CZ	PHE H 175	-25.300	31.901	74.800	1.00	21.02	C
ATOM	2951	N	PRO H 176	-25.360	27.078	69.878	1.00	22.56	N
ATOM	2952	CA	PRO H 176	-25.321	25.723	69.318	1.00	19.83	C
ATOM	2953	C	PRO H 176	-26.377	24.835	69.977	1.00	21.20	C
ATOM	2954	O	PRO H 176	-26.508	24.942	71.200	1.00	22.55	O
ATOM	2955	CB	PRO H 176	-23.910	25.305	69.595	1.00	16.67	C
ATOM	2956	CG	PRO H 176	-23.083	26.559	69.637	1.00	15.02	C
ATOM	2957	CD	PRO H 176	-24.018	27.503	70.334	1.00	17.20	C
ATOM	2963	N	VAL H 178	-28.150	21.582	71.822	1.00	22.66	N
ATOM	2964	CA	VAL H 178	-27.623	20.460	72.565	1.00	21.24	C
ATOM	2965	C	VAL H 178	-28.654	19.371	72.365	1.00	20.88	C
ATOM	2966	O	VAL H 178	-29.868	19.553	72.269	1.00	22.54	O
ATOM	2967	CB	VAL H 178	-27.441	20.749	74.109	1.00	23.34	C
ATOM	2968	CG1	VAL H 178	-26.426	21.863	74.326	1.00	21.50	C
ATOM	2969	CG2	VAL H 178	-28.744	21.171	74.737	1.00	25.02	C
ATOM	2970	N	LEU H 179	-28.110	18.208	72.193	1.00	22.43	N
ATOM	2971	CA	LEU H 179	-28.876	17.011	72.085	1.00	25.70	C
ATOM	2972	C	LEU H 179	-29.097	16.527	73.522	1.00	25.97	C
ATOM	2973	O	LEU H 179	-28.187	16.399	74.348	1.00	25.39	O
ATOM	2974	CB	LEU H 179	-28.076	16.026	71.278	1.00	25.57	C
ATOM	2975	CG	LEU H 179	-28.702	14.674	71.023	1.00	27.43	C
ATOM	2976	CD1	LEU H 179	-29.897	14.757	70.074	1.00	19.28	C
ATOM	2977	CD2	LEU H 179	-27.587	13.805	70.469	1.00	30.31	C
ATOM	2978	N	GLN H 180	-30.365	16.320	73.815	1.00	27.28	N
ATOM	2979	CA	GLN H 180	-30.821	15.886	75.111	1.00	25.86	C
ATOM	2980	C	GLN H 180	-30.787	14.360	75.199	1.00	26.76	C
ATOM	2981	O	GLN H 180	-30.630	13.675	74.180	1.00	27.19	O
ATOM	2982	CB	GLN H 180	-32.233	16.463	75.292	1.00	28.23	C
ATOM	2983	CG	GLN H 180	-32.316	17.984	75.105	1.00	28.44	C
ATOM	2984	CD	GLN H 180	-33.725	18.562	75.115	1.00	31.65	C
ATOM	2985	OE1	GLN H 180	-34.406	18.608	74.093	1.00	30.70	O
ATOM	2986	NE2	GLN H 180	-34.230	19.012	76.261	1.00	30.98	N
ATOM	2987	N	SER H 181	-30.940	13.753	76.391	1.00	28.39	N
ATOM	2988	CA	SER H 181	-30.945	12.305	76.549	1.00	28.80	C
ATOM	2989	C	SER H 181	-32.113	11.663	75.787	1.00	25.40	C
ATOM	2990	O	SER H 181	-31.965	10.542	75.300	1.00	28.76	O
ATOM	2991	CB	SER H 181	-30.979	12.001	78.067	1.00	31.94	C
ATOM	2992	OG	SER H 181	-31.812	12.915	78.815	1.00	40.94	O
ATOM	2993	N	SER H 182	-33.258	12.324	75.579	1.00	21.90	N
ATOM	2994	CA	SER H 182	-34.325	11.787	74.720	1.00	24.38	C
ATOM	2995	C	SER H 182	-33.959	11.687	73.227	1.00	25.28	C
ATOM	2996	O	SER H 182	-34.562	10.902	72.497	1.00	29.85	O
ATOM	2997	CB	SER H 182	-35.556	12.654	74.850	1.00	17.40	C
ATOM	2998	OG	SER H 182	-35.104	13.995	74.772	1.00	19.22	O
ATOM	3003	N	LEU H 184	-33.775	14.556	71.267	1.00	20.48	N
ATOM	3004	CA	LEU H 184	-34.278	15.749	70.637	1.00	17.63	C
ATOM	3005	C	LEU H 184	-33.314	16.869	71.000	1.00	18.68	C
ATOM	3006	O	LEU H 184	-32.549	16.765	71.956	1.00	16.48	O
ATOM	3007	CB	LEU H 184	-35.675	15.980	71.168	1.00	18.23	C
ATOM	3008	CG	LEU H 184	-36.724	14.864	71.080	1.00	12.53	C
ATOM	3009	CD1	LEU H 184	-37.909	15.249	71.922	1.00	10.58	C
ATOM	3010	CD2	LEU H 184	-37.141	14.621	69.658	1.00	13.49	C
ATOM	3023	N	SER H 186	-32.310	21.176	71.626	1.00	19.45	N
ATOM	3024	CA	SER H 186	-32.755	22.411	72.223	1.00	20.48	C
ATOM	3025	C	SER H 186	-31.701	23.450	71.937	1.00	23.05	C
ATOM	3026	O	SER H 186	-30.521	23.102	71.874	1.00	25.18	O
ATOM	3027	CB	SER H 186	-32.916	22.306	73.718	1.00	21.58	C
ATOM	3028	OG	SER H 186	-34.253	21.920	74.021	1.00	32.73	O

Fig. 6b continued kappa heavy chain

ATOM	3029	N	LEU	H	187	-32.104	24.707	71.768	1.00	21.56	N
ATOM	3030	CA	LEU	H	187	-31.233	25.811	71.415	1.00	21.58	C
ATOM	3031	C	LEU	H	187	-31.765	27.082	72.120	1.00	23.47	C
ATOM	3032	O	LEU	H	187	-32.948	27.118	72.496	1.00	24.42	O
ATOM	3033	CB	LEU	H	187	-31.309	25.838	69.897	1.00	19.86	C
ATOM	3034	CG	LEU	H	187	-30.875	26.971	69.054	1.00	21.75	C
ATOM	3035	CD1	LEU	H	187	-30.413	26.485	67.691	1.00	19.38	C
ATOM	3036	CD2	LEU	H	187	-32.048	27.868	68.864	1.00	23.32	C
ATOM	3037	N	SER	H	188	-31.014	28.142	72.424	1.00	22.73	N
ATOM	3038	CA	SER	H	188	-31.587	29.401	72.873	1.00	21.20	C
ATOM	3039	C	SER	H	188	-31.069	30.509	71.988	1.00	20.80	C
ATOM	3040	O	SER	H	188	-29.961	30.400	71.441	1.00	21.00	O
ATOM	3041	CB	SER	H	188	-31.179	29.775	74.274	1.00	25.10	C
ATOM	3042	OG	SER	H	188	-31.586	28.721	75.127	1.00	31.30	O